ABSTRACT

Systems consistent with the present invention perform quiescence of a network storage system in a storage virtualization environment including a virtualization layer that interfaces between a host and at least one storage device, wherein the virtualization layer defines at least one virtual volume comprising objects defining a mapping to data in the at least one storage device and storing information about a state of the at least one storage device in a virtualization database that is distributed across more than one processor in a the virtualization layer. A quiescence instruction may be implemented to maintain reliability and scalability of the storage virtualization environment.